



## Tactical Automated Mission Planning System

11 April 1997

<http://tamps6.mugu.navy.mil:1080>

Requirements	Design	Development	Verification	Validation	Op Test	Fleet Use
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### CAPTAIN's CORNER

by CAPT Ted Spilman

Hats off this week to our NAWCWEPS fleet liaison officer, LCDR Brian Noyes who was to interview with NASA as a future space shuttle mission specialist; this is a big step toward becoming an astronaut. Brian, with you in the Shuttle program, we expect you to secure NASA as our next TAMPS customer!

The program is still going at breakneck speed, and the 6.1 product is getting rave reviews. Captain Johnson from PMA-201 reported that the TAMPS 6.1 the 7.0 effort were a hot and POSITIVE topic at the Weapons OAG. Meanwhile, the entire team continues to prepare for the upcoming OT period with no show stoppers to date! This week 6.1 will support two SLAM shots, and CAG-9 has been given clearance to continue as a trusted agent. The 6.2 product, which provides critical new functionality to the fleet is really the "Payoff" release for integrated mission planning, continues to track and is rapidly becoming my highest personal priority.

This week saw another successful planning meeting for the 7.0 product line with the Air Force. We continue to move forward, deliberately and cautiously, with a goal of having PEO(T) provide us with an acquisition decision later this year. Our FY-98 budget will continue to be a challenge. Over the next few weeks, the team will be in the process of expanding to fill additional support requirements.

The Interservice Mission Planning Working Group (IMPWG) meeting this week in San Diego was widely attended and successful. Many updates and discussions were provided with data base support of Mission Planning as the central theme.

The Army's Maneuver Control System was represented for the first time in the working group which may grow into their direct participation in JMPS (TAMPS 7.0) efforts. In July, the group will meet to discuss Battle field Visualization and Control.

Keep on Charging!

Spunk

### E-Mail of the Week

#### *Enthusiastic Support of TAMPS 6.1*

Spunk, was pleased to see the enthusiasics support of TAMPS 6.1 by the Fleet at the recent weapons OAG at Fallon. Folks were swappin' stories of missions planned in record time, ease of use, etc. I was happy to join in the chorus based on our JSOW experience with CAG-9. Was also able to share a short version of your TAMPS 200 pitch to some interested folks (they support the concept).

VR, Bert Johnston (CAPT, USN)

### UPCOMING EVENTS

14 Apr	TAMPS/PFPS Interface mtg
16 Apr	6.1 Pre-OTRR @ NAVAIR
16 Apr	E-2C FMS Baseline Peer Review
21 Apr	N-PFPS TIM @ Eglin
24 Apr	6.1 OTRR @ NAVAIR, JP-2 Rm 110
4/28-5/2	OAG @ NSAWC Fallon
1 May	TAMMAC PDR @ MDA
5-7 May	6.2 PDR @ PM
5-7 May	6.1 Lessons Learnes @ PM
19 May	ESC @ NAVAIR
19-23 May	IPT & Leadership Offsite @ Pensacola

# TAMPS HIGHLIGHTS

## Seven Phases of a Product's Life Cycle — Requirements (contd)

by Paola Carrasco

CinCs identify the need for future mission capabilities to the Requirements Office (N62 & N88) through Mission Need Statements. These are high level requirements documents identifying the need for new and improved capabilities within the Navy. This list is folded in with the PMA's own requirements and negotiated with N62 & N88 to be included in the next Product Upgrade. The TAMPS Executive Steering Committee provides PMA-233 with a prioritized list of desired operational capabilities and the funding to accomplish them.

The Operational Advisory Group is the voice of the Fleet user. The OAG meets about every six months and is composed of members from the Strike Fighter Weapons Schools, fleet activities, Office of Chief of Naval Operations, NAVAIR, and the SSA. The OAG is further broken down into Working Groups with specialized functions (i.e. HMI, Performance, Intel DBs, etc.). The product of the OAG is a message with a prioritized list of requirements as perceived by the Fleet. Next step, SCRB.

## Integrated Mission Planning Working Group

by LT B. Noyes

We gave TAMPS 6.1 demos at the IMPWG in San Diego 8-9 April. On the last day, SSA personnel brought down an ACE/VME to demo for the AFMSS program manager and various other Air Force and Army personnel. The demo went very well, providing an excellent vehicle for discussion on mission planning issues. The demo highlighted similarities and differences between the two systems (TAMPS and AFMSS). One of the AFMSS program officers commented that our highlights of mission planning problems plaguing fleet users sounded like a recording from one of his own demos.



### TAMPS WWW

<http://tamps6.mugu.navy.mil:1080>

by Joe Keim

The famous TAMPS web site will be undergoing a face lift over the next several months. If there is something that you would like to see, drop an e-mail to [keim%am@mr.chinalake.navy.mil](mailto:keim%am@mr.chinalake.navy.mil) and we'll try to roll your comment up into the new site.

# TAMPS PRODUCTS

## TAMPS 6.0.5

by Jim Lacey/Jim Mueksch

### *In-Service Support Engineering*

Fleet Support. Completed support for USS Independence (CV-62). Provided replacement laser printer.

Installed IRU Enclosure at SFWSLANT in preparation for GPS 5.1.5 load by Joe Corsello.

## TAMPS 6.1

by Kathy Bailey/Jim Mueksch

### *Programmatics*

A new CD-ROM (with HARM, E-2C, F-14 & COMPASS MPM changes) was hand carried to China Lake 7 April for regression testing and FedEx'ed to other MPMs 8 April. Tests should be complete by 14 April, in time for the pre-OTRR.

A TPWG convened at Pt. Mugu 10 April to identify and resolve any last minute testing issues and plan for the April 24th OTRR.

N62 approved the TAMPS ORD Modification Letter and forwarded it to appropriate OPNAV codes and Fleet CinCs for approval. Letter requested approval by 22 April. Also, on a very positive note, TEMP Rev B has been signed by PMA-233, COMOPTEVFOR and N62. We are waiting signature by PEO(T) and then will hand carry to N912, ASN (RD&A), OSD (DOT&E) and OSD (DTSE&E) for signature. We do not anticipate any difficulty having the TEMP approved before OTRR.

We have been working with our F/A-18 teammates to draft a revised interim flight clearance message for CVW-9 training with TAMPS 6.1 as trusted agent for OPTEVFOR.

### *Systems Engineering*

We are busy preparing for the April 24 OTRR.

### *Testing*

Trivia Question: How long does it take to test a new TAMPS Product Upgrade?

Answer: (well, its still only preliminary)

Point Mugu DT Testing	1299 hrs
E-2C MPM	120 hrs

F-14 MPM	20 hrs
COMPASS MPM	280 hrs
SLAM MPM (CL site only)	48.5 hrs
<b>Total</b>	<b>1767.5 hrs</b>

Test hours for GPS, F-18, HARM, SLAM Point Mugu, and VX-9 hours have not yet been submitted.

### ***In-Service Support Engineering***

Logistics. Provided 6.1 User document drafts to various MPMs and to DT Test Director in preparation for OTRR.

Fleet Support. NAESU tech Mike Maze @ NRaD Det for ACE training to support CAG-9. Also, completed pre-deployment DTC-2 system groom aboard USS John F. Kennedy (CV-67).

Engineering. Working with F18 WSSA to resolve DSUR-S MU COMM ERROR. Contacting Hughes to gather information.

## **TAMPS 6.1.1**

by Kathey Bailey/Jim Mueksch

### ***Testing***

Build 1 was modified to correct some go-no-go functionality and provided to SSA testers on 9 April for initial testing. Four workstations have been configured for testers.

The F18 WSSA submitted a request for ULTRA-2 workstations be sent to MDA in St Louis by 15 April to support TAMPS 6.1.1 risk reduction. Also, they are asking that we procure a single set of TAMPS 6.1.1/6.2 development case tools. We are taking this for action.

### ***In-Service Support Engineering***

Logistics. Ultra spares calculations are in process.

Engineering. Working with Intergraph on Ultra configuration. Providing another set of data loaders for testing.

## **TAMPS 6.2**

by C.J. Witkowski/Sandy Long

### ***Programmatics***

An engineering offsite was held to discuss SOR status. All SORs are being worked. Contractors have been asked to provide Estimates to Completion (with staffing).

SLAM ER held a Design Review this week. We presented a draft schedule to provide them with a test tape for their DT/OT in March 1998.

We are having a TAMPS 6.2 PDR at MG 5-7 May. We need to have the final hardware configuration established as Entry Criteria.

A TOPSCENE interface will be included in 6.2. We are awaiting funding to do the work.

### ***Systems Engineering***

We participated in the review for funding and staffing of TAMPS 6.2. Also, attended pre-Program Management Board mtg for MIDB 2.0.

### ***Testing***

The Engineering Offsite was held 7 April at the Lockheed Martin Camarillo Facility. This offsite focused on planning events from PDR to CDR, holding engineering discussions, and defining the inspection schedule.

Inspections continue on the 6.2 SORs. Team members at the Engineering Offsite expressed their appreciation for the new inspection process being used. This new process has been extremely helpful in refining the high level design as well as isolating problematic areas and resolving them earlier in the development phase.

Evaluation. Logicon's Unit Level Advanced Planning product creates strips charts fast, easy, and cost effective, but is only supported on PCs under Windows NT and Windows 95. However, it uses any Windows supported printer. Logicon is working to support AFMSS Sun workstations, but there is no estimated time to complete this product.

## **TAMMAC**

by Richard Busse

Two VTCs held this week: #3 & #4 (final) High Level Peer Reviews for the TAMMAC Core Extension. Comments were provided by the TAMPS Core Team and the peer reviews provided a useful exchange of information. However, we are discussing changing the format of the Detailed Design Peer Reviews with MDA to more efficiently use time.

Reviewed John Seybold's (one week) independent assessment of TAMPS/TAMMAC CE development. The good news is -- he found no technical reasons why the approaches discussed for the TAMMAC Core extension could not work. However, John did identify management and coordination issues which are impeding teamwork and effective development. As a result, we are putting together a working group to establish rules for the development of Core Extensions.

We believe that we are in the final stages of negotiating a technical compromise agreement for developing and integrating the TAMMAC Core Extension with

TAMPS Core. We expect to provide a technical recommendation to PMA-233 regarding this agreement later this week.

## **TAMPS 7.0**

by Micheline Lopez-Estrada/Dave Pearson

### ***Programmatics***

A Navy - Air Force Joint Strategy Session was held at the Pentagon on 7 April with generals and admirals in attendance. We are still working MOA issues and the Program Plan is in process. Later this month, the TAMPS 7.0 IPT will stand-up (we are still identifying team members through the end of the year). We are looking to fill a Navy Government Representative position (military or civil service) at Hanscom AFB. If any of you are interested, please drop a line to CAPT Spilman. Our last issue: we are still working the funding for FY98.

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This newsletter is published as a weekly status report to the Program Executive Officer for Tactical Aircraft Programs. Questions regarding this newsletter or its distribution may be made via e-mail to the editor